

STANDARD MONUMENTS AND RIGHT OF WAY MARKERS

NOTES:

The construction and installation of Alignment Monuments, Iron Pin Reference Monuments, Iron Pin R/W Monuments, and Right of Way Markers (witness posts) shall conform to Section 720 of the Standard Specifications.

ALIGNMENT MONUMENTS:

Iron Pin or Precast Concrete Alignment Monuments with aluminum caps will be placed on the centerline alignment PI's, section corners, quarter corners, section line crossings, quarter line crossings, and at curve points (PC's, PT's, TS's, and ST's) on the centerline.

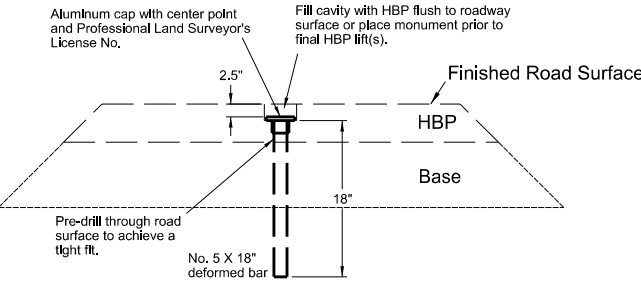
IRON PIN R/W MONUMENT:

Iron pins with aluminum caps (No. 5 X 18") will be placed at breaks on the Right of Way line, and at curve points (PC's, PT's, TS's and ST's) on the Right of Way line.

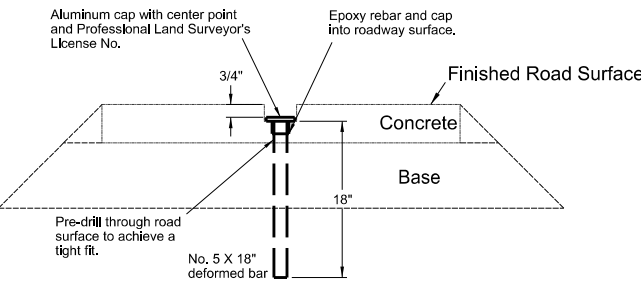
IRON PIN REFERENCE MONUMENT:

Iron Pins without aluminum caps (No. 5 X 18") will be placed as reference monuments on the Right of Way line at section corners, quarter corners, section line crossings, and quarter line crossings.

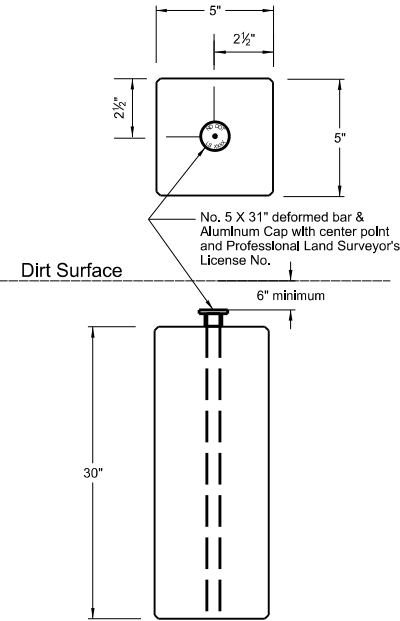
ALIGNMENT MONUMENT DETAILS



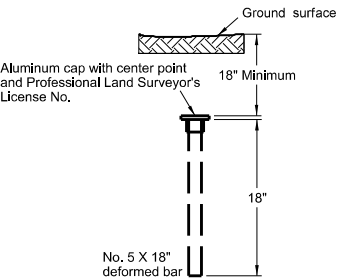
IRON PIN  
(Within Finished Roadway Surface)



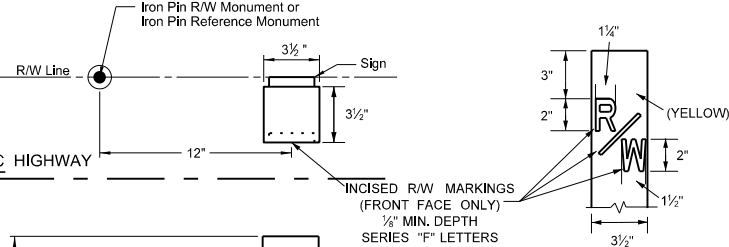
IRON PIN  
(Within Finished Roadway Surface)



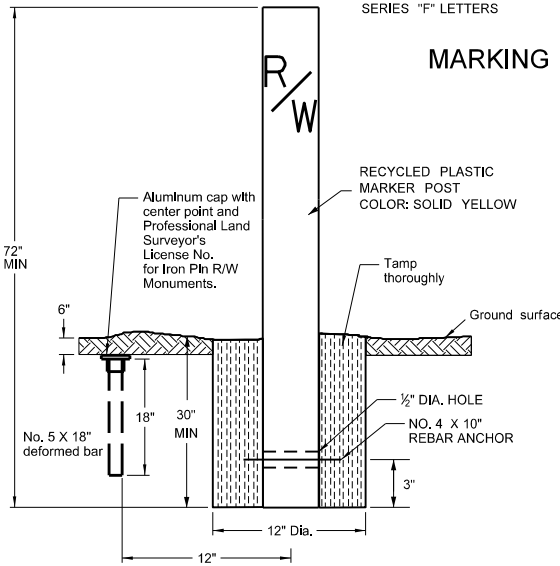
PRECAST CONCRETE  
(Outside Finished Roadway Surface)  
(Inside R/W Limits)



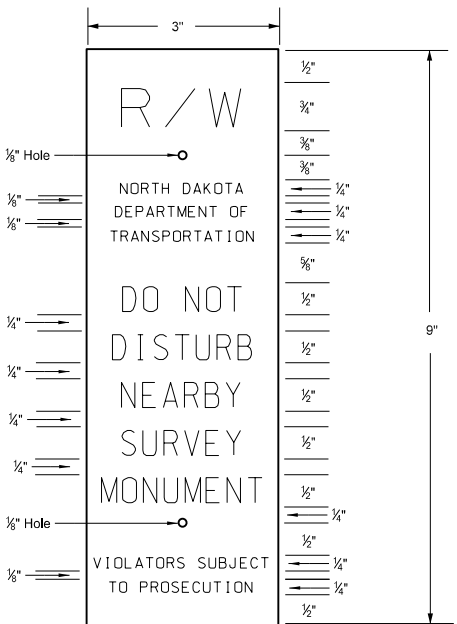
IRON PIN  
(Outside Finished Roadway Surface)  
(Outside R/W Limits)



MARKING DETAIL



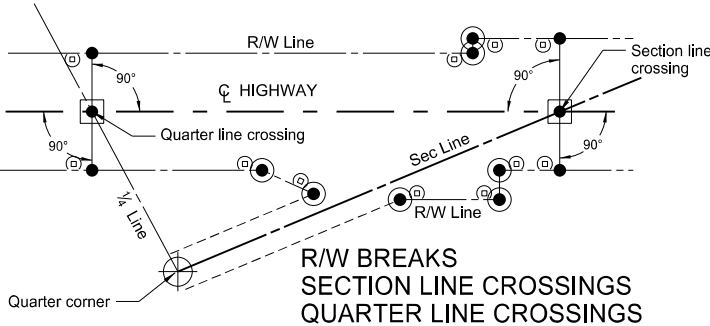
RECYCLED PLASTIC  
RIGHT OF WAY MARKER  
(WITNESS POST) DETAILS  
&  
IRON PIN REFERENCE AND R/W  
MONUMENT DETAILS



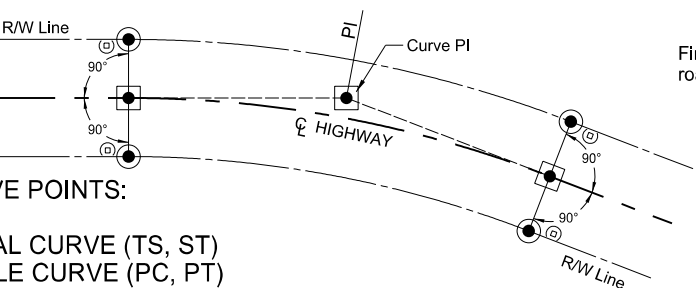
SIGN DETAIL

Black letters on orange high intensity background sheeting meeting ASTM D-4956 Type III or higher on 80 gauge 5052-H38 aluminum. Silk screen graphics. One color print. Sign shall be attached by drilling two holes in the face of the post (side facing the private owner, away from the Department of Transportation right of way). Put inserts into the holes and mount the sign with #4 vandal proof screws. Sign shall be installed 2" from top of post.

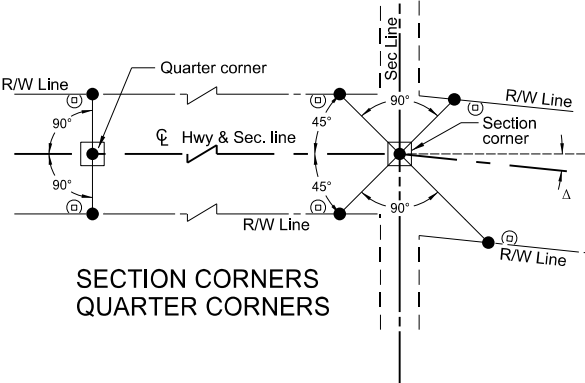
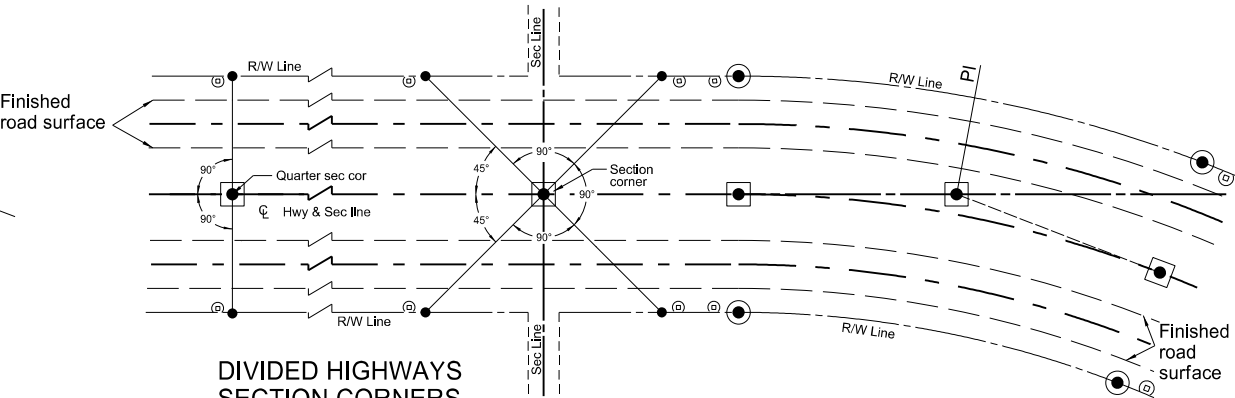
VARIOUS MONUMENT AND MARKER PLACEMENTS



CURVE POINTS:  
PI  
SPIRAL CURVE (TS, ST)  
SIMPLE CURVE (PC, PT)

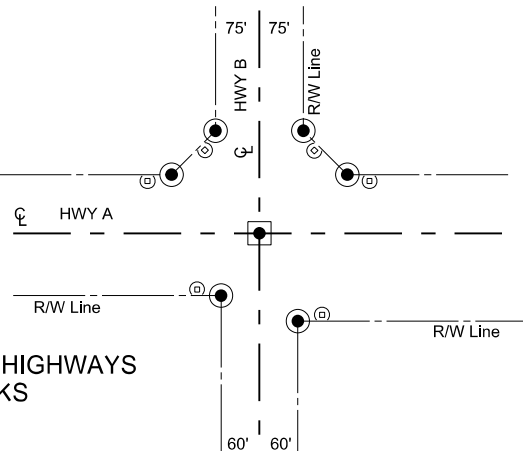


DIVIDED HIGHWAYS  
SECTION CORNERS  
QUARTER CORNERS



SECTION CORNERS  
QUARTER CORNERS

INTERSECTION OF HIGHWAYS  
FLARED R/W BREAKS



NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
10-3-2013	
REVISIONS	
DATE	CHANGE
11/12/13	Note for SIGN DETAIL modified to meet ASTM D-4956 Type III or higher on 80 gauge 5052-H38

LEGEND	
●	Iron Pin Reference Monument
⊙	R/W Marker (witness post)
■	Alignment Monument
●	Iron Pin R/W Monument

This document was originally issued and sealed by  
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PE- 2930 ,  
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of Transportation